

Prof Michitaka Notaguchi short CV

M. Notaguchi obtained his Ph.D. in 2009 under the supervision of T. Araki (Kyoto University), where he studies flowering mechanism. As a postdoc, he worked at University of California Davis (2009-2012). After working as a researcher and an assistant professor at Nagoya University (2012-2019), he leads his lab as an associate professor at Nagoya University (2019-present). He has studied molecular mechanisms of vegetable grafting as well as molecules transported over graft junction. He has also developed grafting microdevices to enhance study. His studies are mainly classified into (1) Grafting biology and (2) Systemic signaling in plants.

Selected recent publications

- Kurotani K. *et al.* **2021** Cell-to-cell connection in plant grafting molecular insights into symplasmic reconstruction. **Plant Cell Physiol.**, In press.
- Okayasu K. *et al.* **2021** Tissue adhesion between distant plant species in parasitism and grafting. **Commun. Integr. Biol.**, 14, 21-23.
- Kawakatsu Y. et al. 2020 An in vitro grafting method to quantify mechanical forces of adhering tissues. Plant Biotech., 37, 1-8.
- Notaguchi M. *et al.* **2020** Cell-cell adhesion in plant grafting is facilitated by β -1,4-glucanases. **Science**, 369, 698-702.
- Kurotani K. *et al.* **2020** Host-parasite tissue adhesion by a secreted type of β -1,4-glucanase in the parasitic plant *Phtheirospermum japonicum*. **Commun. Biol.**, 3, 407.
- Tsutsui H. *et al.* **2020** Micrografting device for testing systemic signaling in Arabidopsis. **Plant J.**, 103, 918-929.